

2/2 - (C) FILE HCA

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AN - 134:316087 HCA

TI - Vitamin K compositions containing flavonoids as stabilizers

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DT - Patent

LA - Japanese

IC - ICM A61K031/122

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A61K035-78; A61K047-00; A61K047-02; A61K047-08; A61K047-22;
A61K047-26; A61P003-02; A61P019-10

CC - 63-5 (Pharmaceuticals)

Section cross-reference(s) : 1, 17, 18

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PN - JP2001114675 A 20010424 JP 1999-288920 19991012

PR - JP 1999-288920 19991012

AB - The compns. are useful as food and pharmaceuticals for prevention and treatment of osteoporosis and are storage stable even when alk. agents are added. A mixt. of vitamin K2 0.00045, soybean hypocotyl ext. 0.5, noncalcined shell powder 40, egg shell powder 10, hydrogenated maltose 30, cellulose 14.49955, sugar ester 1, vegetable oil powder 2, and guar gum 2% was compressed into tablets. The tablets were stored in an Al bag at room temp. for 1 yr to show vitamin K2 content 95%, vs. 68% for control tablets contg. no soybean hypocotyl ext.

ST - antiosteoporotic vitamin K compn flavonoid stabilizer; soybean flavonoid stabilizer vitamin K compn osteoporosis treatment

IT - Glycans
RL: FFD (Food or feed use); MOA (Modifier or additive use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(anthocyanidins; antiosteoporotic vitamin K compns. contg. flavonoids as stabilizers)IT - Stabilizing agents
(antiosteoporotic vitamin K compns. contg. flavonoids as stabilizers)IT - Flavonoids
RL: FFD (Food or feed use); MOA (Modifier or additive use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(antiosteoporotic vitamin K compns. contg. flavonoids as stabilizers)IT - Acacia catechu
(aq. dry ext.; antiosteoporotic vitamin K compns. contg. flavonoids as stabilizers)IT - Seaweed
(calcified, powder; antiosteoporotic vitamin K compns. contg. flavonoids as stabilizers)IT - Fruit and vegetable juices
(citrus, hesperidin source; antiosteoporotic vitamin K compns. contg. flavonoids as stabilizers)IT - Clover (Trifolium pratense)
(ext., isoflavone source; antiosteoporotic vitamin K compns. contg. flavonoids as stabilizers)IT - Tea products
(exts.; antiosteoporotic vitamin K compns. contg. flavonoids as

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stabilizers)

IT - Organ, plant
(hypocotyl, soybean, isoflavone source; antiosteoporotic vitamin K compns. contg. flavonoids as stabilizers)

IT - Kudzu (*Pueraria*)
(isoflavone source; antiosteoporotic vitamin K compns. contg. flavonoids as stabilizers)

IT - Soybean (*Glycine max*)
(isoflavone sources; antiosteoporotic vitamin K compns. contg. flavonoids as stabilizers)

IT - Flavones
RL: FFD (Food or feed use); MOA (Modifier or additive use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(isoflavones; antiosteoporotic vitamin K compns. contg. flavonoids as stabilizers)

IT - Citrus
(juice, hesperidin source; antiosteoporotic vitamin K compns. contg. flavonoids as stabilizers)

IT - Tea products
(leaves, powder; antiosteoporotic vitamin K compns. contg. flavonoids as stabilizers)

IT - Aglycons
RL: FFD (Food or feed use); MOA (Modifier or additive use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(leucoanthocyanidins; antiosteoporotic vitamin K compns. contg. flavonoids as stabilizers)

IT - Citrus
(peel and seed, hesperidin source; antiosteoporotic vitamin K compns. contg. flavonoids as stabilizers)

IT - Coral
Shell
(powder; antiosteoporotic vitamin K compns. contg. flavonoids as stabilizers)

IT - Buckwheat (*Fagopyrum esculentum*)
(seeds and leaves, rutin source; antiosteoporotic vitamin K compns. contg. flavonoids as stabilizers)

IT - Osteoporosis
(therapeutic agents; antiosteoporotic vitamin K compns. contg. flavonoids as stabilizers)

IT - 94-41-7, Chalcone 117-39-5, Quercetin 153-18-4, Rutin 154-23-4, Catechin 490-46-0, Epicatechin 491-70-3, Luteolin 520-18-3 520-26-3, Hesperidin 520-33-2, Hesperitin 520-36-5, Apigenin 522-12-3, Quercitrin 528-48-3, Fisetin 529-44-2, Myricetin 970-73-0, Gallocatechin 970-74-1, Epigallocatechin 989-51-5, Epigallocatechin gallate 1257-08-5, Epicatechin gallate 13463-28-0, Eriocitrin 216872-64-9, Sunphenone 100S 335149-48-9, Sankatol
RL: FFD (Food or feed use); MOA (Modifier or additive use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(antiosteoporotic vitamin K compns. contg. flavonoids as stabilizers)

IT - 11032-49-8, Vitamin K2 11104-38-4, Vitamin K1 12001-79-5, Vitamin K 16389-88-1, Dolomite, biological studies
RL: FFD (Food or feed use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(antiosteoporotic vitamin K compns. contg. flavonoids as stabilizers)